

Outline for Climate Science Report

1. Sources to be limited to peer-reviewed scientific publications such as:
 - a. UN Intergovernmental Panel on Climate Change
 - b. National Academy of Science/National Research Council
 - c. *Science* and other peer-reviewed science journals
2. Current evidence of climate change, what is known and generally agreed to/where is the greatest uncertainty and evidence is disputed:
 - a. Average temperature rise, record high temperatures
 - b. Changes in global ice cover, including Arctic and Antarctic sea ice, Greenland and other land-based ice sheets and glaciers
 - c. Increased frequency and severity of hurricanes.
 - d. Changes in species/habitats associated with climate change
 - e. Droughts, rainfall, and other major changes in climate
3. Climate models and projections about future climate change:
 - a. Long-term temperature trends and projections
 - b. Projected changes in oceans temperature, sea level rise, ocean circulation
 - c. Projected changes in global weather, rainfall, and storms
 - d. Impacts on human health, disease
 - e. Impacts on agriculture, soils, food production
 - f. Impacts on biodiversity
 - g. Feedback loops, tipping points, and the threat of catastrophic climate changes
4. Specific impacts of climate change on Utah and the West:
 - a. Forest fires, soil, drought, and temperature increases
 - b. Drought, snowpack, rainfall, and water supply
 - c. Benefits to Utah and the West from preventing disruptive climate change